

Design-A-
Logo
Contest!!!
See below

the Daglightale

Augustana Faculty, University of Alberta

December
5/11

Mother's Diet May Have a Long Term Effect on her Child, says Dr. Haave

By Nihal Tiitmamer, Co-editor

Speaking during an interview about his talk delivered on November 17, 2008, entitled, "You are What Your Mother Ate," Dr. Neil Haave, Associate Professor of Biology at University of Alberta's Augustana Campus, said studies have shown that what a mother eats during pregnancy has a long term effect on her child. The talk was part of a series of colloquia related to Augustana yearly theme.

"The context that I gave my talk in was to try and make people understand that what we become is much more than our genes, is much more than our DNA," Dr. Haave said. "Our genes have an effect on who we become but they don't determine everything." Dr. Haave's knowledge comes from studies that he carried out during his graduate years in the late 1980s. He wanted to understand the long-term effects maternal nutrition has on child development.



Dr. Neil Haave, pictured above, said, "what we become is much more than our genes, is much more than our DNA."

"We had some examples of looking at how different kinds of nutrients seemed to influence how children metabolism works," he said. His interest drew him to study Cholestamin, a drug used to treat people with high blood cholesterol. Feeding this drug to pregnant rats, he discovered it showed some kind of influence on the offspring of the rats. When it appeared that the drug which was being ingested by the mother rat had influence on the fatty acid profiles of the offspring, he started feeding pregnant rats with different kinds of fats.

"I use palm oil, olive oil and sun-flower oil. And those ones have different fatty acid profiles," he said. "Palm oil has got a lot of saturated fats, olive oil has got a lot of monounsaturated and sun-flower oil has got a lot of polyunsaturated fats." Those kinds of fats have different melting temperature. The test results showed that different kinds of fats had different influence on the metabolic organs of offspring of the rats.

In years later, he found other studies that show those fats are capable of influencing

Continued on page 2

Design-A- LogoContest!!!

We here at the Daglightale have decided that the blank circle logo is a little dated and must go. So to replace it we're going to hold a contest. The designer of the chosen logo will receive our sweet mystery prize that is valued at \$50 (so you know it's gonna be sweet).

What you need: 5 minutes of your time and the Paint program on your computer. Who doesn't have that? Maybe Mac users, but I imagine there's some equivalent program you could use.

So Augustana let's see your creativity and don't make us have to create a logo. Please have logos submitted by January 21, 2009.

Battle of the Bands

By Chris Neal, Co-editor

The Augustana Students' Association did it again and provided another great event for students on Friday November 21 at the always classy, Old Cinema Night Club by organizing Augustana's annual battle of the bands competition.

It was a great event, unfortunately we had two camera malfunctions so we weren't able to get any pictures. Maybe it is for the best because pictures couldn't truly capture how great of an atmosphere which the live bands created at the generally pop-beat overbooked venue.

Although seven great bands competed, only the top two will be playing at this year's formal in January. 'Saxit' came in 2nd place with their Indie-rock antics which earned them an encore at the end of the night and 'Always a Bridesmaid' won top prize with their retro-boogie smile-inducing dance tunes.

Men's Western Canadian Open Volleyball Champions !!!



The Augustana Vikings hosted both Mens and Womens teams from Manitoba, Saskatchewan, and Alberta Dec 5 & 6 in the Western Canadian Open. See Sports page for more details.

Mother's diet

By Nihal Tiitmamer

Continued from front page

the neurons in the brain. A 2000 study on pigs showed that those fats also influenced the behavior of the pigs, saying that they might change the structure of the brain. He added that people are thinking that our cellular environment influences which genes are expressed and which ones are not expressed. For example, in a certain environment influenced by a particular kind of fat, some genes can be turned off and others can be turned on, resulting in the expression of different phenotypes. One example Dr. Haave gave of this phenomenon is that of spring caterpillar, which looks different from the summer caterpillar due to different kinds of food they eat.

Asked whether obesity is determined by the food that the mother eats, Dr. Haave said recent studies also show that a kind of fat

that the mother eats may influence whether the child becomes obese or not. According to a recent article in the Globe and Mail, "exposure to a high-fat diet in [the] uterus produces permanent neurons in the fetal brain that later increase the appetite for fat." Some pregnant rats were fed on 50% fatty food while others were fed on a balanced diet. The offspring of the rats fed with fatty food had big appetite and weighed more than the offspring of rats with the balanced diet. This study suggests that mothers who eat a lot of fatty food during the



Augustana Theme: From Field to Fork Upcoming Events

Gone Bananas! The Costa Rican Banana Industry and Engagement of Globalized Food Systems

Jan 19th 2009, C014

12:30 - 2:00 Kierstin Hatt - Sociology

Teach-in

Jan 29th 2009, 9:00am - 9:00pm

Augustana Chapel.

All Augustana students meet as a collective class and spend the day hearing about, reflecting on, and debating food issues.

Experts from farmers to academics and from eaters to cooks will be exploring different aspects of the journey of food from field to fork on January 29.

From Field to Fork to Findings: A Multidisciplinary Conference

Jan 30th 2009, 12:00pm - 9:00pm

Augustana Chapel

Food - we grow it, buy it, eat it, throw it out, plan for it, worry about it, think about it, try to ignore it, and theorize about it.

This year at Augustana, we plan to talk about it. Please join us!

Augustana Against Aids Campus Involvement

by Alison McDonald

A very active organization at Augustana. You've probably heard of them. They call themselves "Augustana Against AIDS." Consisting of around 25 members, this group raises awareness around campus about the threat of AIDS, and helps raise money through fundraisers, which are sent to an orphanage in Swaziland. AAA has a direct tie to this orphanage, so we are all sure the money gets straight to those who need it, and not indiscriminately to any third parties. So far this school term, they've raised a lot of money, especially at their bottle drive. Through the efforts of the members, the benevolence of the community, and the contributions of local businesses, they successfully raised over nine hundred dollars for their cause. President of the club Kailyn Jones was pretty excited about the achievement.

On December 1st, it was the twentieth anniversary of World's AIDS Day. Vice president Amy Wilhelm calls this a "double edged sword" seeing as there has been so much effort over the past two decades, yet not a lot has changed, and there is still a need for it.

On Friday, the club has organized an entire day's worth of events in help of fundraising, and in the pursuit of active awareness. All sorts

of people, not all students, came out of the woodwork to help with the cause. Some of the Fine Arts students performed monologues in the Faith and Life, consisting of short stories of people who have been infected with HIV AIDS. The chaplaincy had a Taize prayer service at 7 pm in the chapel. The coffeehouse played movies all day, with info regarding the epidemic until 8, when there was open mic night. Band "Last Stand" played there as well.

There was also letters signed in the Faith and Life after AAA's letter writing campaign towards politicians. The mailboxes of those on campus were used to show how many people in Swaziland, Africa are infected with the disease, through the use of red X's on those mailboxes of the people who would be, statistically, infected.

On top of all this, decorations, posters, pickets and other such awareness were scattered around campus. They have also organized a Dodgeball tournament from 4-8 on Sunday.

Within next semester, Augustana Against AIDS has many more fundraisers, including a Book Drive. So keep a look out for these students with a cause, because they are doing great things.

Student Showcase

On January 30th, it will be your turn: students will have a chance to showcase their work on topics related to food. We encourage submission of papers, posters or other creative formats focusing on any aspect of food from the perspectives of the natural sciences, humanities, social sciences or fine arts.

Submission details:

Submissions must represent the original, unpublished work of a student at a postsecondary institution.

Submit final paper (or appropriate representation of creative work) and 250- word abstract with institutional affiliation and contact information to by December 15, 2008.

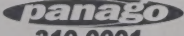
Papers and abstracts should be in .doc or .docx format.

Presentations may be put together into panel presentations where similar topics warrant.

Posters will be on display for both days of the conference. There will be a poster session on January 30.

Authors will be notified of the selection committee's decisions by January 9, 2009.


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Have something to say...

Opinion

Mumbai Attack: Something to think about

By Afim Bews

India was under attack on Wednesday night, November 26, 2008 at 9:30 pm. Ten places in Mumbai, one of the biggest cities in India, were under terrorist attacks that caused almost two hundred lives and injured more than three hundred people. The demands of the terrorists are unknown but they did succeed in making a clear statement and that was "it's about time to wake up." The nightmare that lasted three days ended on Saturday, November 29, 2008 and the whole world (the ones with time and that cared enough) watched as the commandos cleared the last seized place by the terrorists. Did we wake up? Or we are constantly pushing the snooze button? Almost everyone I asked around the campus didn't know about this and when told, agreed it is a Global issue and not just an issue of India.

What do we do then? Where do we go from here? The first thing would be to wake up! The next thing would be just taking a moment of your life to think about what might be one of the missing links that



Taj Mahal in Agra, India, after the terrorist attack that killed nearly 200 people in the city of Mumbai.

causes situations like this in developing countries while we are peacefully sleeping in our warm beds. Poverty? Lack of education? Corruption? Ignorance? Dirty hierarchical politics? Many such words may come to your mind; let them come. Ponder on them and simply put your voice forward and

then stand up for what you believe in. That should be a good start.

Why is it that we only start to care when it happens to one of us? Why not take precautions so that it doesn't happen in the first place? Why not educate ourselves about other cultures, religions, race and language so we would be able to live

in a society not of nightmares but of Martin Luther King's dream? Why not fight back? Not with guns, not with bombs but fight back with voices that echo from one end of the world to the other; fight back with pens that pierce sharply than a sword ever could. Because as Gandhi, the man who fought for the independence of India without fighting said, "an eye for an eye makes the whole world blind". Can we afford a blind world at the price of millions of lives that are lost? We could not ever put a price on human life.

It becomes pretty easy to play the blame game when it comes to developing countries, and point fingers on their way of education that creates a blissful society of ignorance. But we are Canadians; citizens of a moderately developed country of 21st century, studying at University of Alberta (Higher education) and yet we are sleeping. Is that how our reaction should be? That is for you to decide by waking up, taking a moment to ponder and then finally to stand and speak.

Who Cares About the Coalition?

By Chris Neal

The proposed coalition of the Liberals, NDPs, and Bloc Québécois was at the tip of everyone's tongue last week, but its failure has had the issue fall out of the spotlight and left many wondering what happened.

The coalition would have seen the merger of the 77 Liberal seats, the NDP's 37 seats, and the 49 seats of the Bloc Québécois to make a sum of 163 seats, which trumps the 143 of the Conservative party. This would allow the opposition parties to force a non-confidence vote and they could collectively take power under Liberal leader Stéphane Dion as Prime Minister.

Harper's fiscal strategy of corporate friendly low taxes and modest spending in the public sector in order to run a deficit free budget has raised some questions in these economic unsure times. The reality that Canada is in a recession has left the feeling in the left wing camps that it will be necessary to increase public spending in order to stimulate the economy even if it means the government budget will be in the red. This split of agreement in Canada gave the Liberals a chance to take a strike at the Conservatives and Stephen Harper.

Everything was ready for this coalition to overthrow the government until December 4th when Stephen Harper convinced Governor General the Right Honourable Michaëlle Jean to prorogue the parliament. Since the Governor General has the ultimate authority in the Canadian government system (she is the representative of the monarch for Canada), she had the power to end parliament days before the coalition would have taken action.

What this means is that the general consensus was Canada didn't really want Stéphane Dion to be the next prime minister of Canada and the Governor General had to step in and make sure it didn't happen even though it technically would have been allowed by our parliamentary rules.

It appears that both leaders, Harper and Dion, did whatever they had to do to save their political careers. Seemingly Dion's bid for prime minister was a last ditch effort to save his claim for party leadership after the Liberal party's humiliating deterioration under his watch. Harper's tactic of getting the Governor General to bail him out showed his willingness to do anything to save his government, even if the seats in the House of Commons are against him. This begs the question as to whether this whole issue had the best interests of Canada in mind or was it a personal game of the leaders of the political parties to save face.

Ultimately the failed coalition has allowed the Liberal party to further implode on itself, while the Conservatives have lost some ground in Quebec. Also, it's hard to tell how effective the newly formed Conservative government will be in leading Canada into the future. Will this strengthen the NDP's position? How strong will the Bloc be in the future?

If one of the parties does not win a majority government in the near future, coalitions such as this one may become a more viable option as political tools. This would make every single seat in the House of Commons carry a greater value and allow for interesting mixtures of party ideology in the bid to form the government.

Have an opinion with something on campus?
Have an opinion with something in the world?

Contact the Dagligale

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We look forward to all submissions
Office located at F205

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Chris Neal

Sports



Augustana Mascot getting the crowd pumped up at the Western Canadian Open

Volleyball Teams Garner Success

By Chris Neal

The Augustana Vikings Womens and Mens volleyball teams have ended their seasons on high notes by showing strongly in league and tournament play.

On Saturday November 29, both teams travelled to Olds to play in the ACAL league playoff championships. Both teams had lost in the finals last season, so they came into the tournament with a chip on their shoulder and something to prove.

Both teams cruised through their finals and won the league championship

On Dec 5 & 6 the Vikings hosted the Western Canadian Open. The Men and Women fought through all adversity and earned spots in the finals, both against Kelsey Campus from Saskatchewan. The girls lost a nail-biter and received the Silver Medal. The Men won handily and repeated their gold medal performance from last year. Congratulations on a great year

ACAC CURLING REGULAR SEASON TEAM RANKINGS

(Dec 7, 2008)

MEN

1st	Lethbridge College	6-1
2nd Augustana	4-3	
	Olds	4-3
	GPRC	4-3
	NAIT	4-3
	MacEwan College	4-3
7th	Lakeland College	2-5
8th	Red Deer College	0-7

WOMEN

1st	Lakeland College	5-2
2nd	NAIT	5-2
3rd	MacEwan College	4-3
4th	Concordia	4-3
5th	GPRC	4-3
6th	Red Deer College	3-4
7th Augustana	3-4	
8th	Portage College	0-7

MIXED

1st	Red Deer College	6-0
2nd	Lakeland College	3-3
	GPRC	3-3
	NAIT	3-3
5th Augustana	0-6	

ACAC Men's Hockey Standings (Dec 7, 2008)

Team	GP	W	L	OTL	GF	GA	PTS
SAIT	16	14	0	2	94	42	30
NAIT	16	12	2	2	79	57	26
Concordia	16	12	3	1	67	38	25
Mount Royal	16	10	6	0	59	57	20
Augustana	16	5	9	2	48	65	12
Briercrest	16	3	8	5	42	72	11
Portage	16	4	11	1	45	75	9
MacEwan	16	4	11	1	49	77	9

Results

Dec 5 Portage2 @ Augustana 3

Next Home Game:

January 9 vs. SAIT at 7:30pm

ACAC Women's Basketball Standings (Dec 7, 2008)

North Division

Team	G	W	L	PF	PA
King's	14	11	3	974	842
MacEwan	12	10	2	940	769
Concordia	14	10	4	1121	943
Grande Prairie	14	10	4	976	947
NAIT	14	3	11	916	1055
Lakeland	14	2	12	877	999
Augustana	14	2	12	899	1121

Next Home Game:

January 10 vs. MacEwan at 6:00pm

ACAC Men's Basketball Standings (Dec 7, 2008)

North Division

Team	G	W	L	PF	PA
Concordia	14	12	2	1122	972
MacEwan	12	9	3	987	884
Lakeland	14	9	5	1263	1166
NAIT	14	8	6	1063	1027
King's	14	4	10	1084	1161
Grand Prairie	14	3	11	1119	1285
Augustana	14	3	11	1117	1260

Next Home Game:

January 10 vs. MacEwan at 8:00pm

Sports

Interview with Augustana Basketball Head Coach, David Drabiuk

On Nov 22, Ian Shen, one of the Dag regular contributors had an opportunity to interview Augustana Basketball Head Coach just before a home game against Grand Prairie. Vikings won the affair convincingly 109-95. Here are the excerpts from the interview.

Ian: How do you feel about today's game?

Coach: I'm looking forward to today's game. I think the theme of this season has been progress. We are progressing, we are getting every game, improving. I'm looking forward to today's game because it would be another step down on the path. We will continue to prove that we are getting better. We are always looking to play close to the perfect game. But in sports, it is pretty much impossible to do. But you always get out of the bed and say today is the day. So I'm really looking forward to today's game.

Ian: Are there any main strategies for today's game?

Coach: Coming into the weekend, we have identified two things. We need to cut down on the turnover rate, which we did last night, we do better job on that and we need to rebound as a team. What let us down last night was that our team defense line was not as strong as I wanted it to be. So today's strategy is to tighten up the defense, continue to capture the ball, cut down on the turnovers, continue to rebound better.

Ian: Is there any player who is doing exceptionally well this year?

Coach: We had some ups and downs and we have players that play well in a period of time and then fade a little bit. I would say right now, our top player is Joe Knight.

Ian: Joe Knight?



Augustana Basketball Head Coach, David Drabiuk

Coach: Yes, second year forward. David Ness played well early on the season. Mike McCorquindale is playing better. As he is getting healthier, he is getting better. Right now, our most consistent player is Joe.

Ian: Is there any player who is not doing well as you have expected this year?

Coach: Oh, yeah. I think some players are struggling with the different roles. We ask players to take on different roles than they are used to in the past. We ask players to increase these roles a little bit. All of those players I think continue to struggle dynamically. Our fifth year Brendin Huculak has not scored that we wanted to, but he has a good defense presence, his leadership has been strong, but you got to admit statistically he is struggling with it.

Ian: We have heard that the Basketball team is holding Hoops for Hope this year as well. Could you tell us a little bit more about it?

Coach: I would be delighted to. What we are doing is what we continue

to do in partnership with Canadian Cancer society. At the last year's Hoops for Hope, we asked to sponsor individual players. What we are doing this year, we are tying into the number of free throws in the regular season. Whatever we are making in the regular season would bring more money in. Whatever free throw



David Ness, one of the contributors to the Vikings Basketball Team.

we are making this season, people can donate based on total number they want to go, 50 cents on free throw and 10 cents per free throw. Going into this weekend, we have made 177 (free throws), so someone who has set up a dollar, we already have close to \$200 from them this year. That's how we are trying to raise the money for cancer and

continue to remember Brer Binder.

Ian: I am concerned that your team has not won any games so far, could you give me some comments about it?

Coach: It makes a struggle. There is no doubt about it. I mean people in sports, and people in all the sports fan, winning and losing is the easy measuring stick. Right? Our team is great because we won all the games; we attach emotion to that and identity to that. So it is a mental struggle. It is a little bit disappointing because we had a high hope at the beginning of the year. I, as head coach, am in a little bit of a rebuilding process. We had sixteen players in. Wenty to change our team

point of view. I'm pleased with our team. I'm frustrated as anybody that we still have not found a way to win yet.

Ian: Is there any upcoming events that Augustana students should know about?

Coach: Sure, on the 7th of December, playing Keysano College. That is a charity drive game, a food bank game. So we are telling everybody in the community, if you bring a donation to the food bank that would be your admission to the game. Now, students are getting in free anyway, but if they want to participate and bring in donation, that would be greatly appreciated.

Augustana Athletes of the Week (for Dec 1)

Mike McCorquindale



Amy Tweedie



Environment

This Semester, Nihal did an internship with the Battle River Watershed Alliance (BRWA). He wrote a weekly environmental column on some of the environmental issues affecting the Battle River watershed, covering water quality problems and watershed protection, among others. The Battle River Watershed Alliance is an inclusive, collaborative and consensus-based community partnership that is working to guide, support and delivers actions to sustain or improve the health of the Battle River Watershed. We are glad to reprint some of his articles here.

Water Quality Factors in the Battle River

By Nihal Titamamer

The water quality in the Battle River is considered fair overall, but there is always room for improvement. Factors affecting water quality include pesticides, metals, nutrients and bacteria. These contaminants come from both non point sources and point sources. Non point sources of water pollution include farming and cattle grazing fields; point sources include industrial and urban facilities. How healthy our river is depends on our activities on the land. In other words, our activities in the Battle River Watershed greatly influence the amount of contaminants found in the water. Chemical fertilizers used for farming often get washed into the river during the rain and snow melt. Being a prairie fed river, the source of water for the Battle River is surface runoff and snow melt. As a result, any waste or chemical dumped on the land can drain into the water and even make it unsafe for human and animal consumption.

In the 2006/2007 Alberta water quality report, the Alberta River Water Quality Index (an annual indicator of river water quality in Alberta), indicates that pesticides, metals, nutrients and bacteria can influence the quality of water in the Battle River. The index rated fair the water quality in the Battle River at an average of 71 at Driedmeat Lake and 78 at Highway 53. The degree of threat varies with each of the four contaminants. At Highway 53, the presence of metal, bacteria and pesticides was rated good at number 92, 85 and 88 respectively, indicating that these contaminants pose some threat to the quality of water in the Battle River. However, nutrients were rated poor at Driedmeat Lake and marginal at Highway 53, posing a larger effect on the quality of water in the Battle River.

The 2006/2007 index ratings showed deterioration from the previous year, which rated

the Battle River good at Highway 53 and fair at Driedmeat Lake, with metal being rate excellent while bacteria and Pesticides were rated good. Nutrients, the biggest threat, were rated marginal at both stations.

The Alberta River Water Quality Index averages values of the four contaminants to determine a single value that describes the overall condition of water quality. The index rates the quality of water based on either the presence or absence of the four contaminants in the water. The following values show how it rates the presence of contaminants in the Battle Rivers:

- Excellence: 95 - 100 shows the best water quality, almost completely free of contaminants
- Good: 81-95 shows the contaminant has a minimal threat to water quality
- Fair: 66-80 indicates that there is a moderate amount of threat to water quality
- Marginal: 46-65 indicates that the water quality is threatened
- Poor: 0-45 shows that the quality of water is impaired (Source: http://www3.gov.ab.ca/env/soc/water_indicators/20_data_sub.html).

The rating data is collected monthly or quarterly at the Long - Term River Network Sites (LRTS). Driedmeat Lake and the Battle River at Highway 53 are the two sites that have been used on the Battle River to collect water sample. The index uses three factors to determine the water quality. These include scope, frequency and amplitude. Scope is the number of variables not meeting the objectives. And frequency is the number of times the objectives are not met while amplitude is the amount the objectives are not met. These factors are combined to produce a number ranging from 0 to 100, with 0 being considered the worst while 100 is the best quality.

Effects of Nutrients on the Battle River

By Nihal Titamamer

In the article on water quality factors, we discussed the serious threat that nutrients pose to the water quality of the Battle River, which received a marginal rating in 2005/2006 and poor rating in 2006/2007, according to the Alberta River Water Quality Index. This article will shed some light on the effects of nutrients, using information from Environment Canada's National Water Research Institute (NWRI).

Nutrients, such as phosphorus, nitrogen and ammonia, are substances essential for plant growth. However, excessive amounts of nutrients in water stimulate growth of algal

blooms. According to the NWRI, 304,000 tonnes of nitrogen and 12,000 tonnes of phosphorus are found in Canadian surface and groundwater each year from sources such as agricultural fields, industrial discharges, urban runoff and municipal sewerage.

In its 2001 report, the NWRI indicates that toxins from blue green algae can lead to poisoning of human beings and animals. Algal toxins can attack the liver and the nervous system and can irritate skin. Algal bloom effects on water include taste and odor. Excessive amounts of nutrients stimulate plant growth and can significantly alter the composition of aquatic habitat, resulting in a "nipple effect" on other aquatic species such as fish and invertebrates. This causes a reduction of oxygen in water through plant respiration. Nitrogen can

The Role of Riparian Vegetation in the Battle River Watershed

By Nihal Titamamer

Green areas along the banks of the Battle River are known as riparian areas. These 'green zones' contain water loving plant species, which play a crucial role in the health of the Battle River watershed. Riparian areas clean our water, making it safer for people and livestock to drink and cleaner for wild animals to live in. The Battle River is rich in riparian vegetation, including aspen, balsam, poplar, dogwood, willow, chokecherry and cattails.

According to Ducks Unlimited Canada, riparian vegetation serves significant functions, which include filtration of water contaminants from surface run off, prevention of soil erosion, provision of habitat for wildlife, and provision of aesthetic and recreation areas. Riparian vegetation improves water quality in water bodies through the trapping and filtration of contaminants such as nutrients, pesticides, bacteria and metals. This protects the life of aquatic animals and plants, and prevents river channels from being blocked by sediment. According to the Alberta Cows & Fish Program, 80 % of wildlife in Alberta relies in part or in whole on riparian areas. They provide food, shelter and clean water for wildlife and fish, as well as for people and livestock. The health of riparian areas is affected by human activities such as agriculture, and extraction of resources.

When riparian areas are destroyed, there are consequences including increases in the cost of water treatment, and in the cost of insurance due to flooding. Destruction of riparian areas also reduces recreation, tourism and fishing opportunities, resulting in the loss of revenues gained from those activities. As a prairie fed river, the Battle River relies on surface run off, making it all the more reliant on riparian vegetation.

contaminate ground and surface water, posing risks to aquatic and territorial animals. Nitrates, which are a form of nitrogen, have been identified as the cause of decline in the number of amphibian population in Canada. In addition, excessive amounts of ammonia can result in fish kills.

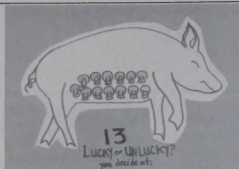
Excessive amounts of nutrients in water can result in a deterioration of water quality for human consumption, loss of habitat, decline in amphibian populations, and acidification of water. In the next article, we will look at what we can do

Student Research Conference

By Alejandro Velez
International Student Liaison

Last Monday December 1st, Augustana Faculty celebrated its second historical student research conference. In a very calm night and after several months of planning, 28 senior scholars shared with a very diverse audience the highly expected conclusions obtained after several months of rigorous studies. Sweetened by an ample buffet, the one hundred guests that attended the event weren't only delighted by our great cafeteria food but also by the vast knowledge that all the visitors acquired after each directed reading exposition.

Divided between four classrooms, each speaker engaged and captivated the audience during discussions of thirty minutes. Throughout a broad range of topics, which focused on subjects of history, literature, psychology, biology, music, art, drama, German and ecology; Camrose celebrated the end of a process, the culmination of 28 unique experiments that attained to merge theory with reality. Without delays or inconveniences, our Faculty demonstrated yet again, that big things do indeed happen on small campuses.



Burlesk

By Chris Neal

'What is' Burlesk? Well it's a burlesque freak show, and it was put on by Prof. Nutting's senior drama movement class Thurs, Dec 4 at the very dignified establishment in Camrose known as the Windsor so full and vibrant. This was thanks to the terrific show put on by the students. The 13 pieces performed by the students were actually their final projects for the course. Yet it was quite refreshing to see these presented outside of the traditional academic atmosphere and turned into an entertaining event for anyone willing to witness it. The pieces used props, music, dance, and even more props to their fullest dimensions and gave the audience the sense of a true underground indie theatre experience. Those in attendance surely will not forget this show and those who missed it will have to hope next year provides a show with even a fraction of the entertainment displayed.

Or, you could go to the Augustana webpage and type in 'United Nations' in the 'Search' box to find the page to watch the video. Or, you could even go to the Augustana YouTube page in order to view it.

The course will be offered again the following school year in the Winter term of 2010. If you have any interest in international relations, diplomacy, or foreign aid programs you may want to seriously consider enrolling in this course.

Last year Augustana sent two delegations, comprised of 23 students, to the National Model United Nations (NMUN) representing the nations of Benin and Kiribati. There was a significant amount of research which was incredibly eye opening to the challenges faced by third world nations in terms of practicing international diplomacy. This research was supplemented with simulations of the model UN rules as the group prepared for the weeklong competition in March.

The trip itself saw the students enjoy the sights, sounds, museums, pubs, and shopping of New York City while there was free time between sessions. Students got to sit in the General Assembly of the United Nations and hear a speech from UN Secretary General Ban Ki-moon to kick-start the competition. The Delegates worked with students from countries across the globe such as Germany, China, France, the U.S., other parts of Canada, and Colombia to name a few. This is truly a rewarding academic experience as well as a once in a lifetime opportunity for students to consider.

Hungry for Change: A Balanced Diet

By Danielle Hachey

Place-Based Learning Program Assistant
Learning and Beyond Office

February 2nd-6th, 2009

The Augustana Campus of the University of Alberta, in conjunction with Global Education, celebrates International Week by asking how we can balance our lives in this rapidly changing world. A Balanced Diet explores the most fundamental human needs, Food and Water, Shelter and Safety, esteem and Spirit, Body and Health, and Belonging to the Human Family. The week's festivities will spotlight each of these needs through film, music, sports, work-bees, presentations, and displays by community organizations, campus clubs, faculty and staff. For full delicious details, visit the website at www.augustana.ualberta.ca/iweek in the coming New Year. If you would like to be involved in the week's events please come an visit Leslie and Danielle in the Learning and Beyond Office, M309.

On the Red Carpet: Winter Formal

By Ian Shon, Formal co-ordinator

This year's formal is happening on Jan 31, 2009 at CRE. This theme of this year's formal is elemental elegance. Two elements, fire and water come together and form a harmony, as if a man and woman come together to form a perfect harmony. Beside the awesome buffet and music, we are planning to bring in some crazy events as well. The price of ticket is expected to be around \$20 dollars. Don't wait too long until all the tickets are sold out. For more information about formal, please contact me, Ian Shon by E-mail, ilkwon@ualberta.ca. Thank you!



National Model United Nations

by Chris Neal

For those that are unaware, Augustana offers one of the most unique learning experiences you may ever encounter in Political Studies. The course is POL 248/348 and is a model United Nations competition in New York City held in March, taught by Dr. Sandra Rein. The course was first offered last year and was a tremendous experience for those involved. If you want to see what the course entailed, visit: www.augustana.ca/programs/socialsciences/political/modelun.html



Are you looking for a career in music?

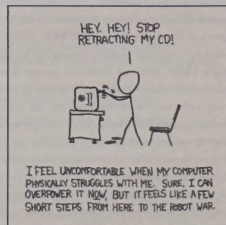
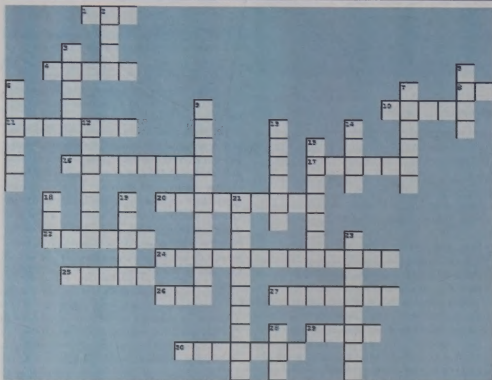
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Contact us at:
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rick or

- Across
 1 significant period of time
 4 Dean: Dr. _____ Epp
 8 _____ Canada
 10 Twelve
 11 Augustana's new building
 16 Social networking site
 17 _____ de soleil
 20 RA: _____ Assistant
 22 statue: Martin _____
 24 Capital of P.E.I. _____
 25 Canadian TV show:
 _____ vs. Spenny
 26 _____ Beatles
 27 Augustana Sports Teams
 29 Everyone from Saskatchewan
 drinks Pilsner
 30 Burlesque Freak Show

- Down
 2 Ready for the picking
 3 Go Go _____ Rangers
 5 The name's _____, James
 6 Romeo &
 7 _____ Night in Canada
 9 The Bard: William _____
 12 Augustana _____ AIDS
 13 Teenage _____ Ninja Turtles
 14 Theme: From Field to _____
 15 B.Sc. - Bachelor's of _____
 18 Hair goop _____
 19 Colour: _____ Peace
 21 this newspaper
 23 Old Main = _____ Hall
 28 _____ & Order



Pictured left, Augustana Cross Country Ski Team training in Lake Louise in November 2008.

From left to right:

Andrew Brisbin
 Kyle Schrama
 Kieran Baird
 Maja Zimmermann
 Coach, Joan Skinstad
 Joel Gervais
 Kai Skinstad
 Jon Skinstad

Have any crazy or zany photos?
 Send them to the Daglightale and see if
 they are featured in next month's
 issue.

daglightale@augustana.ca